

Amendments to the Claims

Please amend Claims 1-3, 57, 92 and 96; cancel Claims 29-39, 41, 43-56 and 93-94; and add new Claim 97, all as shown below. Applicant respectfully reserves the right to reinstate and prosecute any originally presented, canceled or amended claims in a continuing or future application.

1. (Currently Amended) A method for sharing files with remote users, the method comprising:
 - accepting, at a proxy server, a request from a file sharer to share a file in an original file location of the file sharer with a remote user, the file located at a file source inside an internal private network of the file sharer, said private network having a firewall;
 - obtaining, by the proxy server, a set of credentials from the file sharer, wherein the credentials are used to access the file in the original location;
 - generating a proxy representation on the proxy server wherein the proxy representation enables remote access to modify the file in the original location inside the private network, wherein the proxy representation contains location information used by the proxy server to locate the file inside said private network, and wherein the proxy server contains ~~representation contains stored the set of~~ credentials of the file sharer that are needed to access the file on the file source;
 - receiving a request from the remote user to access the proxy representation on the proxy server;
 - providing, the remote user access to accessing the proxy representation ~~by the remote user that resides externally with respect to the internal private network, wherein the remote user submits and receiving one or more modifications to the file by accessing the~~ via the proxy representation on the proxy server ~~from the remote user;~~
 - ~~receiving the one or more modifications to the file via the proxy representation; and~~
 - ~~using the credentials of the file sharer to update the file in the original location inside the internal private network based on the modifications to the proxy representation received at the proxy server wherein the proxy server logs into and interacts with the file source by using the set of credentials and wherein the proxy server modifies~~ updates the file by using the set of credentials provided by the file sharer ~~location information contained in the proxy representation;~~
 - wherein after the updating, when the file sharer accesses the file in the original location, changes to the proxy representation made by the remote user are reflected in the file in the original location.

2. (Currently Amended) The method of claim 1, wherein ~~accessing~~ obtaining the credentials comprises accepting the credentials from the file sharer.
3. (Currently Amended) The method of claim 1, wherein ~~accessing~~ obtaining the credentials comprises retrieving previously stored credentials.
4. (Original) The method of claim 1, further comprising using the credentials to store a cached copy of the file in association with the proxy representation.
5. (Original) The method of claim 1, further comprising storing the credentials in association with the proxy representation.
6. (Original) The method of claim 1, further comprising:
accepting a view request from the remote user; and
enabling the remote user to view the file.
7. (Original) The method of claim 1, further comprising:
accepting a share request from the remote user; and
enabling the remote user to share the file with a third party.
8. (Original) The method of claim 1, further comprising:
accepting an email request from the remote user; and
transmitting an email associated with the file.
9. (Original) The method of claim 1, further comprising:
accepting a print request from the remote user; and
transmitting a print request associated with the file to a remote print service.
10. (Original) The method of claim 1, further comprising:
accepting a fax request from the remote user; and
transmitting a fax request associated with the file to a remote fax service.

11. (Original) The method of claim 1, wherein the request comprises a request generated by:
viewing a representation of the file within a graphical user interface;
selecting the representation of the file within the graphical user interface;
viewing a menu associated with the file, the menu displaying actions that can be performed on the file; and
selecting a share option from the menu.
12. (Canceled)
13. (Original) The method of claim 1, wherein generating the proxy representation comprises generating a proxy representation configured to enable the remote user to read the file.
14. (Canceled)
15. (Original) The method of claim 1, further comprising determining if a database entry associated with the remote user is stored on an account database.
16. (Original) The method of claim 15, further comprising storing the proxy representation in association with the database entry associated with the remote user in response to a positive determination.
17. (Original) The method of claim 15, further comprising generating a new database entry associated with the proxy representation for the remote user in response to a negative determination.
18. (Original) The method of claim 17, further comprising transmitting an email containing a registration key to the remote user.
19. (Original) The method of claim 1, further comprising accepting a retrieval request from the remote user.

20. (Original) The method of claim 19, further comprising using the credentials to retrieve the file.

21. (Original) The method of claim 19, wherein the retrieval request includes authentication information for the remote user.

22. (Original) The method of claim 19, further comprising providing access to a cached version of the file.

23. (Original) The method of claim 19, further comprising accepting a modification request from the remote user.

24. (Original) The method of claim 23, wherein the modification request includes authentication information.

25. (Original) The method of claim 23, further comprising using the credentials to modify the file.

26. (Original) The method of claim 23, further comprising:
modifying a cached version of the file in response to the modification request; and
notifying the file sharer that the cached version has been modified.

27. (Original) The method of claim 26, further comprising synchronizing the file with the cached version in response to a request from the file sharer.

28. (Original) The method of claim 25, further comprising notifying the file sharer that the file has been modified.

29 – 56. (Canceled)

57. (Currently Amended) A computer program product, stored on a computer readable storage medium, and including computer executable instructions for controlling a processor to manage

access to remote files, the instructions comprising instructions for:

accepting, at a proxy server, a request from a file sharer to share a file in an original file location of the file sharer with a remote user, the file located at a file source inside an internal private network of the file sharer, said private network having a firewall;

obtaining, by the proxy server, a set of credentials from the file sharer, wherein the credentials are used to access the file in the original location;

generating a proxy representation on the proxy server wherein the proxy representation enables remote access to modify the file in the original location inside the private network, wherein the proxy representation contains location information used by the proxy server to locate the file inside said private network, and wherein the proxy server contains ~~representation contains~~ stored ~~the set of~~ credentials of the file sharer that are needed to access the file on the file source;

receiving a request from the remote user to access the proxy representation on the proxy server;

providing, the remote user access to ~~accessing the proxy representation by the remote user that resides externally with respect to the internal private network, wherein the remote user submits and receiving one or more modifications to the file by accessing the~~ via the proxy representation on the proxy server from the remote user;

~~receiving the one or more modifications to the file via the proxy representation; and~~
~~using the credentials of the file sharer to update the file in the original location inside the internal private network based on the modifications to the proxy representation received at the proxy server wherein the proxy server~~ logs into and interacts with the file source by using the set of credentials and wherein the proxy server modifies ~~updates the file by using the~~ set of credentials provided by the file sharer ~~location information contained in the proxy representation;~~

wherein after the updating, when the file sharer accesses the file in the original location, changes to the proxy representation made by the remote user are reflected in the file in the original location.

58. (Original) The computer program product of claim 57, wherein the instructions for accessing the credentials comprise instructions for accepting the credentials from the file sharer.

59. (Original) The computer program product of claim 57, wherein the instructions for accessing the credentials comprise instructions for retrieving previously stored credentials.

60. (Original) The computer program product of claim 57, further comprising instructions for using the credentials to store a cached copy of the file in association with the proxy representation.
61. (Original) The computer program product of claim 57, further comprising instructions for storing the credentials in association with the proxy representation.
62. (Original) The computer program product of claim 57, further comprising instructions for:
accepting a view request from the remote user; and
enabling the remote user to view the file.
63. (Original) The computer program product of claim 57, further comprising instructions for:
accepting a share request from the remote user; and
enabling the remote user to share the file with a third party.
64. (Original) The computer program product of claim 57, further comprising instructions for:
accepting an email request from the remote user; and
transmitting an email associated with the file.
65. (Original) The computer program product of claim 57, further comprising instructions for:
accepting a print request from the remote user; and
transmitting a print request associated with the file to a remote print service.
66. (Original) The computer program product of claim 57, further comprising instructions for:
accepting a fax request from the remote user; and
transmitting a fax request associated with the file to a remote fax service.
67. (Original) The computer program product of claim 57, wherein the request comprises a request generated by:
viewing a representation of the file within a graphical user interface;
selecting the representation of the file within the graphical user interface;
viewing a menu associated with the file, the menu displaying actions that can be performed

on the file; and

selecting a share option from the menu.

68. (Canceled)

69. (Original) The computer program product of claim 57, wherein the instructions for generating the proxy representation comprise instructions for generating a proxy representation configured to enable the remote user to read the file.

70. (Canceled)

71. (Original) The computer program product of claim 57, further comprising instructions for determining if a database entry associated with the remote user is stored on an account database.

72. (Original) The computer program product of claim 71, further comprising instructions for storing the proxy representation in association with the database entry associated with the remote user in response to a positive determination.

73. (Original) The computer program product of claim 71, further comprising instructions for generating a new database entry associated with the proxy representation for the remote user in response to a negative determination.

74. (Original) The computer program product of claim 73, further comprising instructions for transmitting an email containing a registration key to the remote user.

75. (Original) The computer program product of claim 57, further comprising instructions for accepting a retrieval request from the remote user.

76. (Original) The computer program product of claim 75, further comprising instructions for using the credentials to retrieve the file.

77. (Original) The computer program product of claim 75, wherein the retrieval request

includes authentication information for the remote user.

78. (Original) The computer program product of claim 75, further comprising instructions for providing access to a cached version of the file.

79. (Original) The computer program product of claim 77, further comprising instructions for accepting a modification request from the remote user.

80. (Original) The computer program product of claim 79, wherein the modification request includes authentication information.

81. (Original) The computer program product of claim 79, further comprising instructions for using the credentials to modify the file.

82. (Original) The computer program product of claim 79, further comprising instructions for: modifying a cached version of the file in response to the modification request; and notifying the file sharer that the cached version has been modified.

83. (Original) The computer program product of claim 82, further comprising instructions for synchronizing the file with the cached version in response to a request from the file sharer.

84. (Original) The computer program product of claim 81, further comprising instructions for notifying the file sharer that the file has been modified.

85.-90. (Canceled)

91. (Previously Presented) The method of claim 1, further comprising:
notifying the file sharer prior to updating the file in the original location to reflect the changes made to the proxy representation.

92. (Currently Amended) The method of claim 1, wherein the proxy server, after receiving the modifications to the proxy representation, automatically logs into the file source by using the

credentials and updates the file in the original location from which the file was originally retrieved to reflect the ~~changes made to the proxy representation~~ modifications received at the proxy server.

93 – 94. (Canceled)

95. (Previously Presented) The computer program product of claim 57, further comprising instructions for:

notifying the file sharer prior to updating the file in the original location to reflect the changes made to the proxy representation.

96. (Currently Amended) The computer program product of claim 57, wherein the proxy server, after receiving the modifications ~~to the proxy representation~~, automatically logs into the file source by using the credentials and updates the file in the original location from which the file was originally retrieved to reflect the ~~changes made to the proxy representation~~ modifications received at the proxy server.

97. (New) A system for sharing files with remote users, said system comprising:

a computer readable storage medium storing one or more sequences of instructions; and
one or more processors that execute said instructions, wherein execution of said instructions cause the one or more processors to perform the steps of:

accepting, at a proxy server, a request from a file sharer to share a file in an original file location of the file sharer with a remote user, the file located at a file source inside an internal private network of the file sharer, said private network having a firewall;

obtaining, by the proxy server, a set of credentials from the file sharer, wherein the credentials are used to access the file in the original location;

generating a proxy representation on the proxy server wherein the proxy representation enables remote access to modify the file in the original location inside the private network, wherein the proxy representation contains location information used by the proxy server to locate the file inside said private network, and wherein the proxy server contains the set of credentials of the file sharer that are needed to access the file on the file source;

receiving a request from the remote user to access the proxy representation on the proxy server;

providing, the remote user access to the proxy representation and receiving one or more modifications via the proxy representation on the proxy server from the remote user;

wherein the proxy server logs into and interacts with the file source by using the set of credentials and wherein the proxy server modifies the file by using the set of credentials provided by the file sharer;

wherein after the updating, when the file sharer accesses the file in the original location, changes to the proxy representation made by the remote user are reflected in the file in the original location.